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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 11th November 1995

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पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405; तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent bracket are the date claimed under section 135, of the Patent Act, 1970.

23-08-1995

997/Cal/95. Minergy Corp. Converting paper mill sludge or the like. (Convention No. 08/296, 557; on 26-8-94; in U.S.A.).

24-08-1995

998/Cal/95. Daewoo Electronics Co. Ltd. A full-Automatic washing machine having a vibration damping assembly.

999/Cal/95. Siemens Aktiengesellschaft. Method for decoding compressed video data with a reduced memory requirement. (Convention No. P4430030.1; on 24-8-94; in Germany).

1000/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418747.3; on 16-9-94; in U.K.).

1001/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418747.3; on 16-9-94; in U.K.),

1002/Cal/95. Ionica International Limited. A method of demodulation and demodulator. (Convention No. 9418773.9; on 16-9-94; in U.K.).

1003/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418772.1; on 16-9-94; in U.K.).

1004/Cal/95. Ionica International Limited. Processing circuitry. (Convention No. 9418753.1; on 16-9-94; in U.K.).

1005/Cal/95. Ionica International Limited. Telecommunications Receiver. (Convention No. 9418754.9; on 16-9-94; in U.K.).

1006/Cal/95. Ionica International Limited. Filter. (Convention No. 9418755.6; on 16-9-94; in U.K.).

1007/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418756.4; on 16-9-94; in U.K.).

1008/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418750.7; on 16-9-94; in U.K.).

1009/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418749.9; on 16-9-94; in U.K.).

1010/Cal/95. Ionica International Limited. Digital Telephony. (Convention No. 9418780.4; on 16-9-94; in U.K.),

1011/Cal/95. Dao-Pin Chang. Fastening device for securing garment hanger. (Divided out of No. 306/Cal/91; dated 23-4-91).

1012/Cal/95. Merck Patent Gesellschaft Mit Beschrankter Haftung. Porous Bone replacement materials.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLJAH ROAD, MADRAS-600 002

26th June, 1994

777/Mas/95. Nizam Khundmiri. Spilit—Book Keeping System.

778/Mas/95. Down Hole Technologies Pty. Ltd. Tool for transporting cutting means to an from a ground drill. (Divisional to 1192/Mas/92).

779/Mas/95. Down Hole Technologies Pty. Ltd. Insert for releably retaining cutting means in a ground drill. (Divisional to P.A. No. 1192/Mas/92).

780/Mas/95. Down Hole Technologies Pty. Ltd. A drvie sub adapted for connection to a lower end of a ground drill. (Divisional to P.A. No. 1192/Mas/92).

781/Mas/95. Down Hole Technologies Pty. Ltd. A segment of a cutting means adapted for retention in a ground drill. (Divisional to P.A. No. 1192/Mas/92).

782/Mas/95. Switched Reluctance Drives Limited. Electric Machine Controller. (12th July, 1994).

783/Mas/95. Dana Corporation. Single split oil seal.

784/Mas/95. Shell Internationale Research Maatschappij B.V. Process for the preparation of hydrogen and carbon monoxide containing mixture.

785/Mas/95. Dana Corporation. Vacuum Operated speed range shifting mechanism.

786/Mas/95. Tracer Company Ltd. Bicycle freewheel grear cluster gear-shifting mechanism.

27th June 1995

787/Mas/95. Vegesna Suneetha. Referee's whistle and flag accessories for TV Broadcast equipment.

788/Mas/95. Indian Institute of Science. Process for preparing molybdenum disilicide (MoSi2) using microwaves.

789/Mas/95. DSM N.V. Catalyst system for the polymerization of ethylene.

790/Mas/95. Shell Internationale Research Maatschappij B.V. A process for the manufacture of synthesis gas by partial oxidation of a gaseous hydrocarbon-containing fuiel using a multi-origice (co-annular) Burner.

791/Mas/95. Shell Internationale Research Maatschappij B.V. Process for producing a hydrowax.

792/Mas/95. Mitsubishi Cable Industrie, Ltd. A connector and its parts.

28th June 1995

793/Mas/95. Tandem Computers Incorporated. Tool and method for diagnosing and correcting errors in a computer program.

794/Mas/95. Dynsmiy Nobel Aktiengesellschaft. A pyrotechnic high-current fuse element.

795/Mas/95. Dynamotive Corporation. Acid Emission Reduction.

796/Mas/95. Zimmermann & Jansen GmbH. A device for operating a transfer line valve assembly.

797/Mas/95. G.O.R. Applicazioni Speciali S.p.A. Composite panel of plastic material, and process and device for its fabrication.

798/Mas/95. Toshiba Lighting & Technology Corporation. Compact Fluorescent Lamp Unit.

799/Mas/95. Mitsubishi Denki Kabushiki Kaisha. Curtain Winding Apparatus.

800/Mas/95. At & T. Corp. Asynchronous Transfer mode (ATM) Transport of Voice-Band Signals.

30th June 1995

801/Mas/95. Ganapathypalayam, Rangaswamy Jaganathan. Uninterruptible DC power supply device for cordless phones and other low voltage DC appliances.

802/Mas/95. Kimberly-Clark GMBH. Tampon.

803/Mas/95. Chervron Chemical Company. Para-Xylewe selective reforming/Anomatization.

804/Mas/95. ABB Management AG. Method of producing A mixed metal oxide powder and mixed metal oxide powder produced according to the method.

805/Mas/95. International Business Machines Corporation. Electronic Circuit Implementing component level Disk Drive.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice, or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व, पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 14

पर दे सकते हैं । विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं ।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Cl.: 48 C D F. 175931

Int. Cl.[4] : H 01 B 3/12.

AN OPTICAL FIBRE COMPOSITE INSULATOR AND METHOD OF PRODUCING SAME.

Applicant: NGK INSULATORS, LTD. OF 2-56, SUDA CHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF. JAPAN.

Inventors:

(1) SHOJI SEIKE.
(2) TOSHIYUKI MIMA.
(3) MASAYUKI NOZAKE.
(4) NAOKI TANI.
(5) MITSUJI IKEDA.

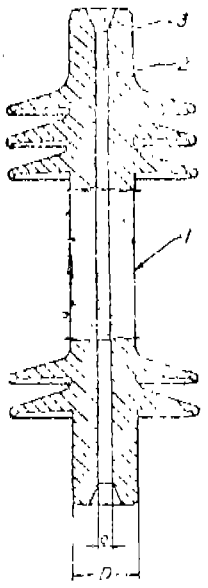
Application No. 849/Cal/1989; filed on 13th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972), Patent Office, Calcutta.

7 Claims

An optical fiber composite insulator comprising a hollow insulator body having an axial through-hole and at least one optical fiber extended through the through-hole and hermetically sealed to the inner surface of the through-hole by means of a sealing material, said sealing material being an organic sealing material and the inner surface of the through-hole being a glazed surface which is applied with a glaze and fired.

Fig. 1



(Compl. Specn. 59 pages Drgns. 2 sheets)

Cl.: 172 F. 175932

Int. Cl.[4] : D 02 1 1/16, 3/02.

YARN FINISH APPLICATOR.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors:

(1) BRIAN MICHAEL AGERS, and
(2) JOHN SHUFORD DICKINS III.

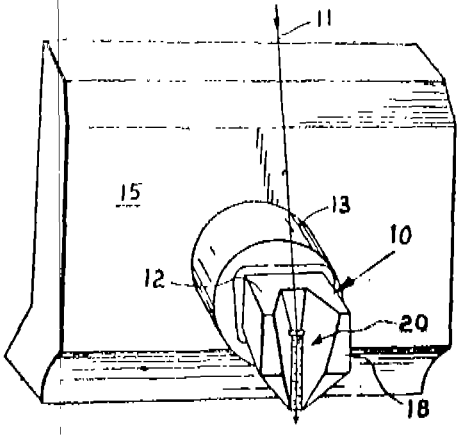
Application No. 203/Cal/1990; filed on 12th March 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

5 Claims

A yarn finish applicator having a surface in which yarn is allowed to contact, said surface communicating with a passage through which finish is metered to said surface, said surface having a plurality of depressions evenly distributed over from about 25 percent to about 50 percent of said surface.

FIG. 2



(Compl. Specn. 9 pages. Drgns. 3 sheets)

Cl.: 172 BD 8. 175933

Int. Cl.: D 01 D 5/30. 5/36.

IMPROVEMENTS IN INTERLACING JET FOR MULTIFILAMENTARY YARNS AND ASSEMBLY THEREOF.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors:

(1) BRIAN MICHAEL AGERS,
(2) JIMMIE SOLOMON DAUGHTRY,
(3) ARNOLD STANLEY GOLDSTEIN,
(4) STEPHEN BUCKNER JOHNSON,
(5) GEORGE STEPHEN TUGGLE.

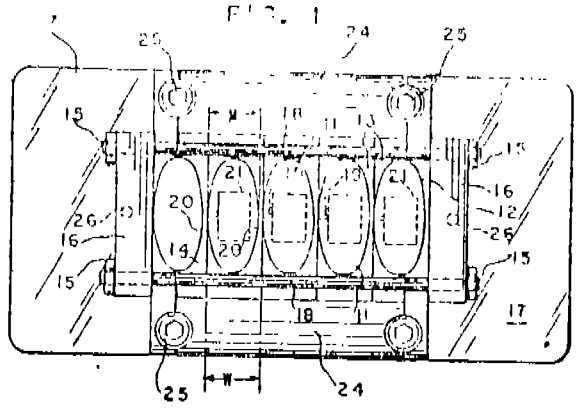
Application No. 309/Cal/1990; filed on 17th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

An improved interlacing jet comprising jet comprising a striker surface and a wall member containing at least one conduit adapted to project a stream of pressurized fluid against said striker surface, said wall member and said striker surface defining therebetween a passageway with an entrance and an exit at either end for a yarn, the improvement being characterised in that said striker surface is gently convexly curved whereby the entrance and exit of said yarn passageway are flared outwardly with respect to the location where said flared outwardly with respect to the location where said stream is projected against said striker surface.

FIG. 1



Compl. Specn. 12 pages Drgns. 2 sheets)

Cl.: 63 B 175934

Int. Cl.[4] : H 02 K 1/22.

FIXING MEANS FOR FIELD DEVICE IN REVOLVING ELECTRIC MACHINE.

Applicant: MITSUBA ELECTRIC MANUFACTURING CO. LTD. OF 2681, HIRO-SAWACHO, 1-CHOME, KIRYU-SHI, GUNMA, JAPAN.

Inventors:

(1) TAKASHI SEKI,
(2) YUTAKA NOZUE,
(3) NOBUYUKI HOSOYA.

Application No. 680/Cal/1990; filed on 07th August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

2 Claims

A fixing means for field device in a revolving electric machine, such as herein described, comprising:

a yoke of a cylindrical shape;

a case coupled into said yoke and provided therein with a plurality of compartments provided in said case and arranged annularly in the circumferential direction of said case, said compartments interposing therebetween partition walls; and

a plurality of magnets, each contained in each of said compartments; wherein said case and said plurality of magnets are fixed to said yoke,

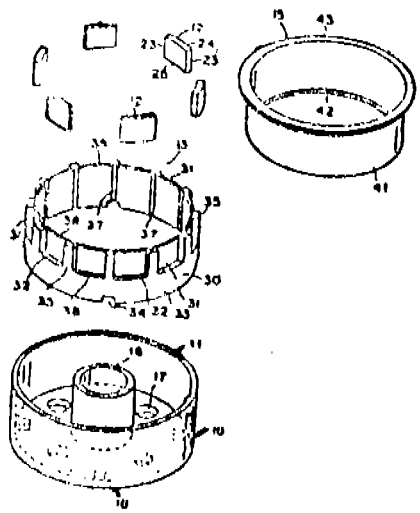
a protective film is applied to total surface of said magnets and said magnets are respectively fixed in the compartment of said case through an adhesive layer; and

a cover of a cylindrical shape is pressed into the inner peripheral surface of said case, and a collar portion is integrally formed in one end of said cover to project outwardly in the radial direction of said cover, and said collar portion is provided to be in contact with one end surface of said case so as to block openings of said compartments, characterised in that,

each of the said compartments provided in the said case is formed to be slightly larger in size than each of the said magnets; and

each said compartment is provided with a belly surface wall for covering a complementary belly surface of the respective magnet.

FIG 1



(Compl. Specn. 33 pages; Drgns. 16 sheets)

Cl.: 88 D 175935

Int. Cl.: B 01 D 47/00, 53/00.

AN APPARATUS FOR CARRYING OUT A PROCESS TO REMOVE METAL SPECIES FROM GASEOUS EFFLUENT.

Applicant: ATOCHEM NORTH AMERICA, INC. OF THREE PARKWAY, PHILADELPHIA PA 19102, UNITED STATES OF AMERICA.

Inventors:

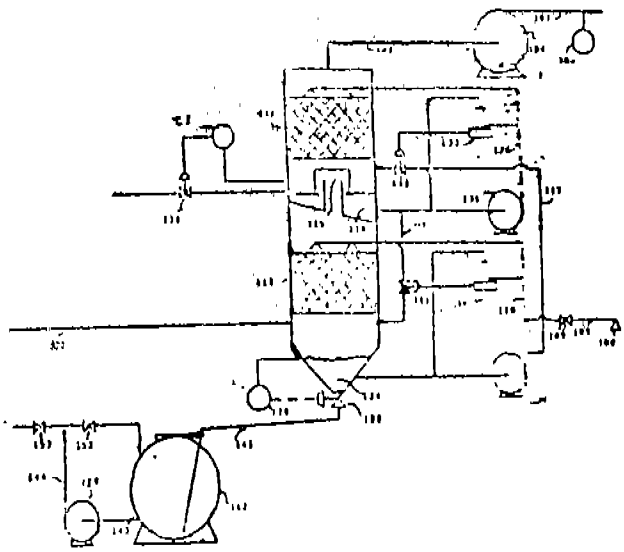
(1) AART PIETER DE GRAAF,
(2) GEORG HEINRICH LINDER,
(3) LEENDERT CORNELIS HOEKMAN.

Application No. 797/Cal/1990; filed on 14th September 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

5 Claims

An apparatus for carrying out a process to remove metal-containing species such as herein described from a gaseous effluent comprising an inlet process line and an outlet process line, a belower connected with both lines, a gas-flow indicator in an exit line of the blower, a stream source fed through a steam-inlet line and first valve into a circulation pipe of at least one scrubber bed to maintain the temperature of the circulating liquid, at least one specific-mass controller, a level controller operating a bottom valve juxtaposed with a second valve to permit at least some liquid to pass through a drain line into a storage tank, and means for recirculation of the process effluent through the scrubber bed.



(Compl. Specn. 19 pages; Drgns. 1 sheet)

Cl. $32A_1$ 175936

Int. Cl.[4] : C 09 B 29/00, 31/00.

A PROCESS FOR THE PREPARATION OF AN AZO COMPOUND.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors :

(1) HARTMUT SPRINGER,

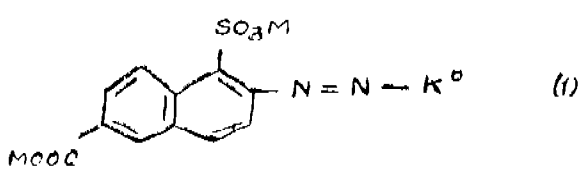
(2) KURT HUSSONG.

Application No. 992/Cal/90 filed on 22nd November, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

11 claims

A process for the preparation of an azo compound which corresponds to the formula (1)

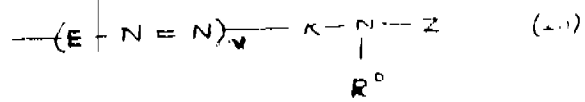


(1)

in which

M is a hydrogen atom or a salt-forming metal atom such as, preferably, an alkali metal atom;

K^0 is a radical of the formula (2A)



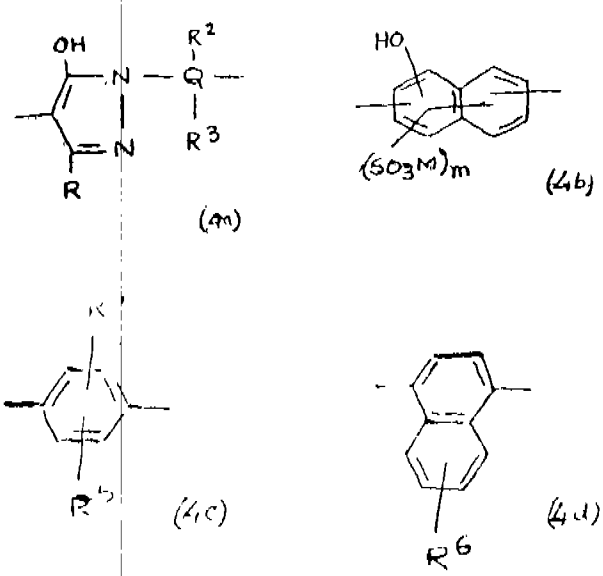
(2A)

in which

R^0 is hydrogen or alkyl having 1 to 4 carbon atoms or is alkyl which has 1 to 4 carbon atoms and which is substituted by sulfo, carboxy, sulfato, phosphato hydroxy, methoxy, ethoxy, phenyl, monosulfophenyl or disulfophenyl preferably hydrogen,

Z is a fiber-reactive radical from the pyrimidine or triazine series which contains an alkali-detachable substitutent,

E is a radical of the formula (4a), (4b), (4c) or (4d)



(4a) (4b) (4c) (4d)

in which

R is hydrogen, alkyl having 1 to 4 carbon atoms, cyano, carboxy, carbalkoxy having 2 to 5 carbon atoms, carbamoyl or phenyl

Q is a benzene or naphthalene radical,

R^2 is hydrogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, fluorine, bromine, chlorine, sulfo, carboxy carbalkoxy having 2 to 5 carbon atoms, trifluoromethyl, carbamoyl or N-(C_1-C_4-alkyl)-cabamoyl, if Q is a benzene ring, or

R^3 is hydrogen or sulfo, if Q is a napthalene ring,

R is hydrogen or sulfo, if Q is a napthalene ring, having 1 to 4 carbon atoms, chlorine or sulfo, if Q is a benzene radical, or is hydrogen or sulfo, if Q is a naphthalene radical,

R^4 is hydrogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, bromine, chlorine, trifluoromethyl, sulfo, carboxy cyano,

R^5 is hydrogen, alkl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, chlorine, amino, alkylamino having 1 to 4 carbon atoms, alkanoylamino having 2 to 5 carbon atoms, benzoylamino, ureido, N'-phenylureodo, N'-(C_1-C_4-alkyl) ureido, phenylsulfonyl or alkylsulfonyl having 1 to 4 carbon atoms,

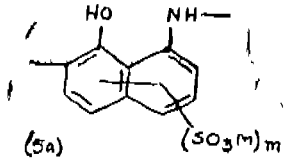
R^0 is hydrogen or sulfo,

M has one of the abovementioned meanings,

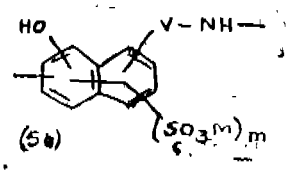
m is the number 1 or 2,

v is the number zero or 1 and

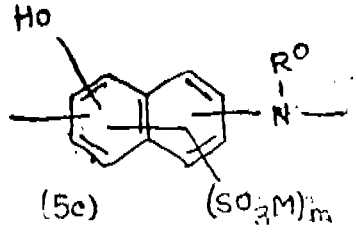
-K-N(R^0)- is the bivalent radical of a water-soluble coupling component, preferably a radical of the formula (5a), (5b), (5c), (5d), (5f)), (5g), or (5i)



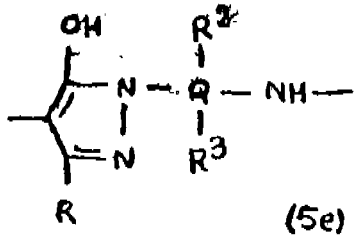
(5a)



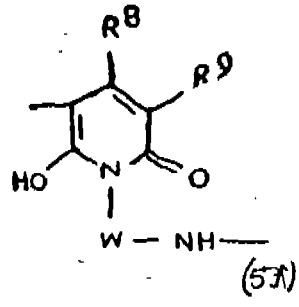
(5b)



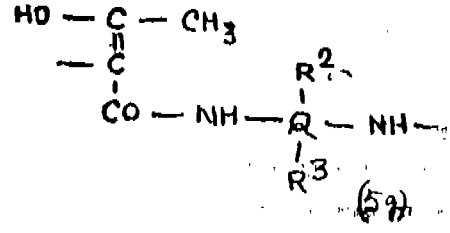
(5c)



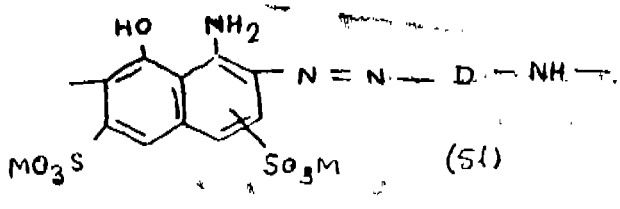
(5e)



(5f)



(5g)



(5i)

in which

M, m Q, D, R, R^0, R^1 R^2 R^4 and R^5 have one of the abovementioned meanings,

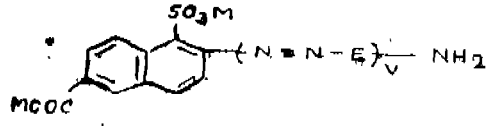
V is a direct, covalent bound or a radical of the formula -NH-CO-phenylene, -NH-CO-NH-phenylene -N(C_2H_5)-CO-phenylene, -N(CH_3)-CO-NH-phenylene or -NH-phenylene,

W is a phenylene radical which can be substituted by 1 or 2 substituents selected from the group comprising alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, chlorine, carboxy and sulfo, or is an alkylene having 1 to 6 carbon atoms, or an alkylenephenylene with an alkylene having 2 to 4 carbon atoms.

R^8 is hydrogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms phenyl, or alkyl which has 1 to 4 carbon atoms and is substituted by cyano,

and

R^9 is hydrogen, sulfo, sulfoalkyl having 1 to 4 carbon atoms, cyano or carbamoyl which comprises, coupling the diazonium compound of an amine of the formula (10).



(10)

in which M, E, and v have the meanings given above, with a compound of the formula H-K-N(R^0)-Z where K, R^0 and Z have the meanings given above.

Compl. specn. 36 pages Drgns. Nil

Cl : $32F_2C$ 175937

Int. Cl.[4] : C 07 C 147/02.

PROCESS FOR THE PREPARATION OF 3' -AMINOPROPYL 2-SULFATOETHYL SULFONE.

Applicant: HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors :

(1) MICHAEL MEIER,

(2) HEINRICH ANGENENDT.

Application No. 119/Cal/91 filed on 7th February 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

13 Calims

A process for the preparation of 3'-aminopropyl 2-sulfatoethyl sulfone, which comprises reacting in a one-pot process allylamine with mercaptoethanol in dilute sulfuric acid at temperatures of 50°C to the boiling point in the presence of a free-radical initiator, oxidizing the resulting reaction mixture with hydrogen peroxide in the presence of catalytic amounts of a compound of a transition metal of the periodic table of the elements as the oxidation catalyst at temperatures of 70° to 100°C, and, after sulfuric acid has been added in such an amount that the total amount of sulfuric acid in the mixture is at least 1 mol, relative to the allylamine used, evaporating the mixture to dryness.

(Compl. Specn. 10 pages; Drgns. 1 sheet)

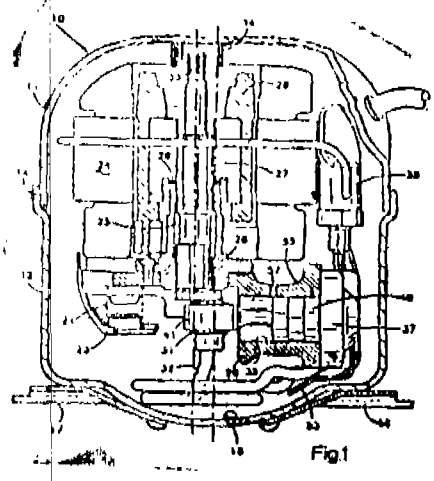


Fig.1

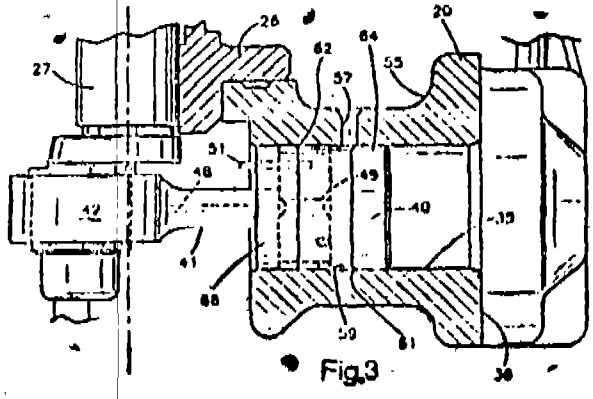


Fig.3

Cl. : 50 E-2 175938

Int. Cl.[4] : F 25 B 1/00; F 04 B 30/02; F 04 C 29/02.

HERMETIC REFRIGERATION COMPRESSOR.

Applicant: WHITE CONSOLIDATED INDUSTRIES, INC., 11770 BEREA ROAD, CLEVELAND, OHIO 44111, UNITED STATES OF AMERICA.

Inventor: JACK F FRITCHMAN.

Application No. 290/Cal/91 filed on 15th April 1991.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule 1972), Patent Office, Calcutta.

10 Claims

A refrigeration compressor comprising a shell, a cylinder block mounted inside said shell, a crankshaft journaled on said cylinder block for rotation about a vertical axis, electric motor means on said cylinder block for rotatably driving said crankshaft, a horizontal cylinder bore in said cylinder block, a piston slidably mounted in said cylinder bore, said piston having a cylindrical side wall in sealing contact with said bore, said side wall comprising a head end at the end away from said crankshaft, and a skirt end at the end adjacent said crankshaft, drive means inter-connecting said crankshaft and said piston and operable to reciprocate said piston in said bore in response to rotation of said crankshaft to define a stroke length of said piston, said piston side wall having an annular groove adjacent its midpoint between said head end and said skirt end, an oil supply passage opening into said bore at a point intermediate its ends and at the uppermost point characterised in that said groove being of uniform depth and having an axial length long enough to be in communication with said oil supply passage during a major portion of said stroke.

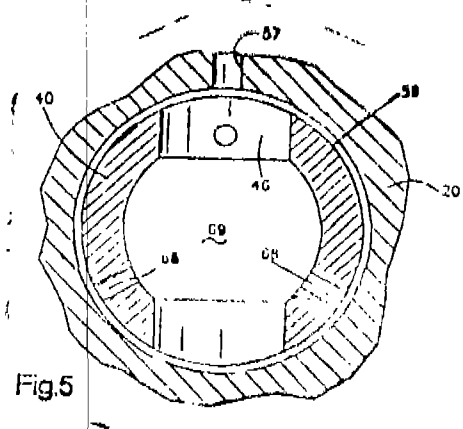


Fig.5

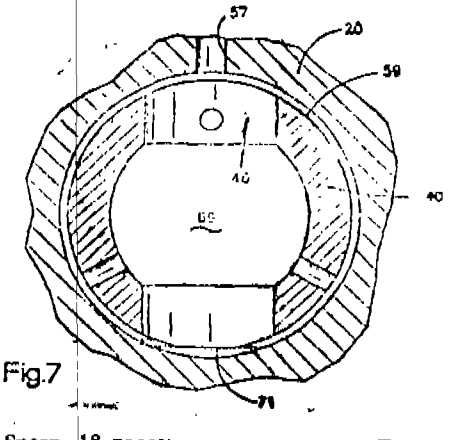


Fig.7

(Compl. Specn. 18 pages; Drgns. 4 sheets)

Cl. : 107 G 175939

Int. Cl.[4] : F 02 M 67/00, 67/14.

FUEL SYSTEM OF AN INTERNAL COMBUSTION ENGINE.

Applicant : (1) TSENTRALNY NAUCHNO- ISSLEDOVATELSKY AVTOMOBILNY I AVTOMOTORNY INSTITUT, USSR, MOSCOW, ULITSA AVTOMOTORNAYA 2, AND (2) AKTSIONERNOE OBSCHESTVO "KAMAZ", USSR, NABEREZHNYE CHELNY, PROSPEKT, M. DZHALILYA 29; BOTH ORGANIZATIONS ORGANIZED AND EXISTING UNDER THE LAWS OF THE UNION OF SOVIET SOCIALIST REPUBLIC.

Inventors :

(1) VIKTOR VALERIANOVICH KARNITSKY.

(2) SIROZH ABIEVICH GADAEV.

(3) SERGEI VALENTINOVICH FUCHKIN.

(4) DANIS KHADYEVICH VALEEV.

(5) BORIS IVANOVICH KAPRALOV.

(6) ALEXANDR LVOVICH MOVCHANJUK.

(7) VLADIMIR GEORGIEVICH VYBORNOV.

Application No. 301/Cal/91 filed on 19th April 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

4 Claims

A fuel system of a diesel engine operating on a gaseous fuel comprising a line for feeding the diesel fuel communicating by one end thereof with a source of diesel fuel, and by the other end with a high pressure fuel pump which communicates with cylinders of the engine connected to an air feeding line; a gas feeding line having one end thereof connected to a gas source, and the other end connected to a means for mixing the gas with air communicating with air communicating with the air feeding line; a control link operatively connected to the actuating link of the high pressure fuel pump and to an actuating link positioned in the gas feeding line, an electric current source, a switch electrically connected to the electric current source; an electromechanical means for limiting the movement of the actuating link of the drive of the high pressure fuel pump connected to a casing of said pump and electrically connected to the switch, the link of the electromechanical means for limiting the movement of the actuating link of the high pressure fuel pump being connected to a drive for moving it to one of the extreme positions "diesel fuel" of "gas fuel", a solenoid-operated valve electrically connected to the switch and positioned in the gas feeding line accommodating a gas pressure regulator downstream of the flow of gas after the solenoid-operated valve and before the actuating link in the gas feeding line; the actuating link of the high pressure fuel pump being provided with a pneumomechanical valve connected to the means for mixing the gas with air and to the gas pressure regulator,

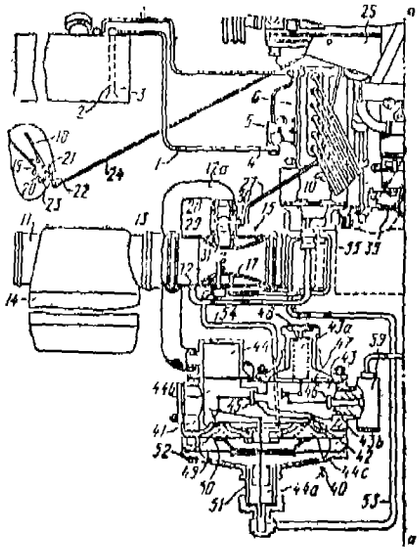


FIG 1

(Compl. Specn. 27 pages;

Cl. : 193 175940

Int. Cl.[4] : H 01 J 5/20.

ELECTRON GUN SEALING APPARATUS.

Applicant : SAMSUNG ELECTRON DEVICES CO., LTD., OF 575, SHIN-RI TAEAN-EUB, HUASEONG-GUN, KYUNGGI-DO, REPUBLIC OF KOREA.

Inventor : DAE-OK CHOI.

Application No. 795/Cal/91 filed on 21st October 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

An electron gun sealing apparatus for sealing an electron gun in the neck of a bulb for a cathode ray tube comprising :

a bulb supporting means including a neck position adjuster, for supporting said bulb and adjusting and fixing the position of said neck, and placed above a frame;

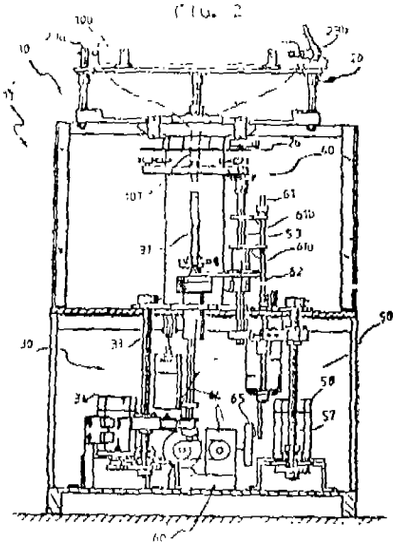
a first up/down means for raising and lowering an electron gun supporter, and provided vertically below said neck of said bulb seated on said bulb supporting means;

a heating means for heating said neck, and arranged around said neck;

a second up/down means for raising and lowering said heating means to a certain height in relation to said neck; and

a revolving means for rotating said heating means around said electron gun supporter.

FIG. 2



(Compl. Specn. 18 pages; Drgns. 11 sheets)

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 170423 dated the 8th December 1987 made by Indian Institute of Science on the 6th December 1994 and notified in the Gazette of India Part III, Section 2, dated the 18th February, 1995 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 171170 dated the 10th March, 1988 made by Dana Corporation on the 24th November 1994 and notified in the Gazette of India Part III, Section 2, dated the 14th January 1995 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 172444 dated the 28th October 1988 made by T. Damodara Rao on the 22nd December 1994 and notified in the Gazette of India Part III, Section 2, dated the 28th February 1995 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 171620 granted to Hoechst aktiengesellschaft for an invention relating to "process for the preparation of 2, 3-Difluoro-6-nitrophenol".

The patent ceased on the 16th September 1994 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th October 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office Nizam Palace 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta 700 020 on or before the 11-01-1996, under Rule 69 of the Patents Rules, 1972. A Written Statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 171728 granted to Indian Space Research Organisation for an invention relating to "a process for gold plating on aluminium alloy".

The patent ceased on the 11th October 1994 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th October 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta 700 020 on or before the 11-01-1996, under Rule 69 of the Patents Rules, 1972. A Written Statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 172564 granted to The Registrar, Indian Institute of Technology, for an invention relating to "vegetable slicer".

The patent ceased on the 15th December 1994 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th October 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta 700 020 on or before the 11-01-1996, under Rule 69 of the Patents Rule, 1972. A Written Statement, in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

OPPOSITION PROCEEDINGS /S 25

An opposition entered by Polar Fan Industries Ltd. to the grant of a Patent on application No. 161805 (684/Del/84) has been allowed and No Patent shall be granted.

An opposition entered by Polar Fan Industries Ltd. to the grant of a Patent on application No. 169583 (450/Del/87) Anti-dated to 15th May 1985 has been allowed and No Patent shall be granted.

RENEWAL FEES PAID

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CESSATION OF PATENTS

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PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the patent office, Calcutta and its branches at Bombay, Madrs, and Delhi at thirty rupees per copy :—

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PATENT SEALED ON 13-09-95

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174982 174983 174986 174987* 174988*.

CAL—01, DEL—01, BOM—NIL, MAS—24

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entreis is the date of the registration included in the entries.

Class 1. No. 168335, Zenis Industries, B 21, Dhyan Singh commercial complex, Ludhiana, Punjab, India, an Indian partnership firm, "ELECTRONIC VOLTAGE REGULATOR FOR VEHICLE FITTED WITH DYNAMOS", 28th October 1994.

Class 3. No. 168393, Deejay Distilleries Pvt. Ltd., Vicky-Manoj Apartments, Opp. Khemani Bus Stop, Ulhasnagar 421002, Dist. Thane, Maharashtra, India, a private limited company incorporated under the Indian Companies Act, "BOTTLE". 15th November 1994.

Class 3. No. 168837, Asian Wheeler, a partnership firm, having its principal place of busines at 26, Strand Road, Calcutta 700001 State of West Bengal, India, "WHEEL", 22nd February 1995.

Class 3. No. 168654, Narendra Products, Ganesh Market, Taj Ganj, Agra, U.P., India, an Indian partnership concern, "POLY PACK", 20th January 1995.

Class 3. No. 169008, Usha Sales Agencies, Road No. 43/28A, Punjabi Bagh, New Delhi 110026, India, an Indain proprietorship concern, "BALL PEN", 10th April 1995.

Class 3. No. 168590, Bharat Petroleum Corporation Limited. Bharat Bhavan, 4 & 6 Currimbhoy Road, Ballard Estate, Bombay 400038, Maharashtra, India, a limited company incorporated under the Indian Companies Act, "CONTAINER", 2nd January 1995.

Class 3. No. 168530, A T & T Corp., of 32 Avenue of the Americas, New York, NY 10013-2412, U.S.A., "A REMOTE CONTROL DEVICE", 23rd December 1994.

Class 3. No. 168811, Ron Voice and Richard Pullen, trading as RDA Marketing, of 65 Kettlewell Close, Horsell, Working, Surrey GU 21 4 HY, England, "A CRICKET BOARD GAME", 15th February 1995.

Class 10. No. 169180 & 169181 Fimec International, 5/160, Sonth Ki Mandi, Agra. U.P.. India and Indian partnership firm, "SOLE FOR FOOTWEAR", 15th May 1995.

R. A. ACHARYA
Controller General of Patent, Design & Trade Marks

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